

SCR Power Controller Market By Type (Three Phase, Single Phase), By Load Type (Resistive, Nonresistive), By Control Method (Phase Angle Control, Integral Cycle Switching), By Application (Chemical, Food and Beverage, Semiconductor, Metals, Oil and Gas, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 291 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License \$3456.00
- Business User License \$5730.00
- Enterprise License \$9600.00

Report description:

The global SCR power controller market was valued at \$145.0 billion in 2021, and is projected to reach \$223.2 billion by 2031, growing at a CAGR of 4.5% from 2022 to 2031.

SCR power controller is a device that helps to control the power supplied to an electronic component or system. It does this by regulating the amount of voltage and current that passes through it. This is essential because it helps protect the component or system from being damaged due to too much power.

The SCR power controller is segmented on the basis of type, load type, control method, industry, and region. On the basis of type, it is classified into three phase and single phase. By load type, the market is categorized into resistive and non-resistive. On the basis of control method, the market is classified into phase angle control and integral cycle switching. On the basis of industry, it is divided into glass, oil & gas, metals, textile, plastics, chemicals and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, And LAMEA.

The growth drivers, restraints, and opportunities are explained in the report to better understand the market dynamics. This report further highlights the key areas of investments. In addition, it includes Porter's five forces analysis to understand the competitive scenario of the industry and role of each stakeholder. The report features strategies adopted by key market players to maintain their foothold in the market. Furthermore, it highlights the competitive landscape of key players to increase their market share and sustain intense competition in the industry.

The global SCR power controller market analysis comprises profiles of leading players that include, ABB, Ltd, Advanced Energy industries, Avatar Instruments, Cd Automation S.r.l., Control Concepts Inc., Chromalox, Honeywell International Inc., JUMO India Pvt. Ltd., RKC Instrument Inc., Spang Power Electronics, SCR Elektroniks Pvt, Ltd., SCHNEIDER ELECTRIC, INC., Siemens, Unison

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Controls Pvt. Ltd, and Watlow Electric Manufacturing Company. The global SCR power controller market report provides in-depth competitive analysis as well as profiles of these major players.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the scr power controller market analysis from 2021 to 2031 to identify the prevailing scr power controller market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the scr power controller market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global scr power controller market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Type

- Three Phase
- Single Phase

By Load Type

- Resistive
- Nonresistive

By Control Method

- Phase Angle Control
- Integral Cycle Switching

By Application

- Chemical
- Food and Beverage
- Semiconductor
- Metals
- Oil and Gas
- Others

By Region

- North America
- Canada
- Mexico
- U.S.
- Europe
- Germany
- Italy
- UK
- Spain
- France
- Rest Of Europe
- Asia-Pacific
- China
- Japan
- India

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- South Korea
- Australia
- Rest Of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- UAE
- Rest Of LAMEA
- Key Market Players
- Honeywell (US)
- Schneider Electric
- ABB
- Omron Corporation
- Chromalox
- Gefran
- JUMO
- CD Automation
- Control Concepts
- West Control Solutions
- West Control Solutions

Table of Contents:

CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key market segments
- 1.3.Key benefits to the stakeholders
- 1.4.Research Methodology
 - 1.4.1.Secondary research
 - 1.4.2.Primary research
 - 1.4.3.Analyst tools and models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.Key findings of the study
- 2.2.CXO Perspective

CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key findings
 - 3.2.1.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Top player positioning
- 3.5.Market dynamics
 - 3.5.1.Drivers
 - 3.5.2.Restraints
 - 3.5.3.Opportunities
- 3.6.COVID-19 Impact Analysis on the market
- 3.7.Key Regulation Analysis

CHAPTER 4: SCR POWER CONTROLLER MARKET, BY TYPE

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

4.1 Overview

4.1.1 Market size and forecast

4.2 Three Phase

4.2.1 Key market trends, growth factors and opportunities

4.2.2 Market size and forecast, by region

4.2.3 Market analysis by country

4.3 Single Phase

4.3.1 Key market trends, growth factors and opportunities

4.3.2 Market size and forecast, by region

4.3.3 Market analysis by country

CHAPTER 5: SCR POWER CONTROLLER MARKET, BY LOAD TYPE

5.1 Overview

5.1.1 Market size and forecast

5.2 Resistive

5.2.1 Key market trends, growth factors and opportunities

5.2.2 Market size and forecast, by region

5.2.3 Market analysis by country

5.3 Nonresistive

5.3.1 Key market trends, growth factors and opportunities

5.3.2 Market size and forecast, by region

5.3.3 Market analysis by country

CHAPTER 6: SCR POWER CONTROLLER MARKET, BY CONTROL METHOD

6.1 Overview

6.1.1 Market size and forecast

6.2 Phase Angle Control

6.2.1 Key market trends, growth factors and opportunities

6.2.2 Market size and forecast, by region

6.2.3 Market analysis by country

6.3 Integral Cycle Switching

6.3.1 Key market trends, growth factors and opportunities

6.3.2 Market size and forecast, by region

6.3.3 Market analysis by country

CHAPTER 7: SCR POWER CONTROLLER MARKET, BY APPLICATION

7.1 Overview

7.1.1 Market size and forecast

7.2 Chemical

7.2.1 Key market trends, growth factors and opportunities

7.2.2 Market size and forecast, by region

7.2.3 Market analysis by country

7.3 Food and Beverage

7.3.1 Key market trends, growth factors and opportunities

7.3.2 Market size and forecast, by region

7.3.3 Market analysis by country

7.4 Semiconductor

7.4.1 Key market trends, growth factors and opportunities

7.4.2 Market size and forecast, by region

7.4.3 Market analysis by country

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

7.5 Metals

7.5.1 Key market trends, growth factors and opportunities

7.5.2 Market size and forecast, by region

7.5.3 Market analysis by country

7.6 Oil and Gas

7.6.1 Key market trends, growth factors and opportunities

7.6.2 Market size and forecast, by region

7.6.3 Market analysis by country

7.7 Others

7.7.1 Key market trends, growth factors and opportunities

7.7.2 Market size and forecast, by region

7.7.3 Market analysis by country

CHAPTER 8: SCR POWER CONTROLLER MARKET, BY REGION

8.1 Overview

8.1.1 Market size and forecast

8.2 North America

8.2.1 Key trends and opportunities

8.2.2 North America Market size and forecast, by Type

8.2.3 North America Market size and forecast, by Load Type

8.2.4 North America Market size and forecast, by Control Method

8.2.5 North America Market size and forecast, by Application

8.2.6 North America Market size and forecast, by country

8.2.6.1 U.S.

8.2.6.1.1 Market size and forecast, by Type

8.2.6.1.2 Market size and forecast, by Load Type

8.2.6.1.3 Market size and forecast, by Control Method

8.2.6.1.4 Market size and forecast, by Application

8.2.6.2 Canada

8.2.6.2.1 Market size and forecast, by Type

8.2.6.2.2 Market size and forecast, by Load Type

8.2.6.2.3 Market size and forecast, by Control Method

8.2.6.2.4 Market size and forecast, by Application

8.2.6.3 Mexico

8.2.6.3.1 Market size and forecast, by Type

8.2.6.3.2 Market size and forecast, by Load Type

8.2.6.3.3 Market size and forecast, by Control Method

8.2.6.3.4 Market size and forecast, by Application

8.3 Europe

8.3.1 Key trends and opportunities

8.3.2 Europe Market size and forecast, by Type

8.3.3 Europe Market size and forecast, by Load Type

8.3.4 Europe Market size and forecast, by Control Method

8.3.5 Europe Market size and forecast, by Application

8.3.6 Europe Market size and forecast, by country

8.3.6.1 Germany

8.3.6.1.1 Market size and forecast, by Type

8.3.6.1.2 Market size and forecast, by Load Type

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3.6.1.3 Market size and forecast, by Control Method
- 8.3.6.1.4 Market size and forecast, by Application
- 8.3.6.2 Italy
 - 8.3.6.2.1 Market size and forecast, by Type
 - 8.3.6.2.2 Market size and forecast, by Load Type
 - 8.3.6.2.3 Market size and forecast, by Control Method
 - 8.3.6.2.4 Market size and forecast, by Application
- 8.3.6.3 UK
 - 8.3.6.3.1 Market size and forecast, by Type
 - 8.3.6.3.2 Market size and forecast, by Load Type
 - 8.3.6.3.3 Market size and forecast, by Control Method
 - 8.3.6.3.4 Market size and forecast, by Application
- 8.3.6.4 Spain
 - 8.3.6.4.1 Market size and forecast, by Type
 - 8.3.6.4.2 Market size and forecast, by Load Type
 - 8.3.6.4.3 Market size and forecast, by Control Method
 - 8.3.6.4.4 Market size and forecast, by Application
- 8.3.6.5 France
 - 8.3.6.5.1 Market size and forecast, by Type
 - 8.3.6.5.2 Market size and forecast, by Load Type
 - 8.3.6.5.3 Market size and forecast, by Control Method
 - 8.3.6.5.4 Market size and forecast, by Application
- 8.3.6.6 Rest of Europe
 - 8.3.6.6.1 Market size and forecast, by Type
 - 8.3.6.6.2 Market size and forecast, by Load Type
 - 8.3.6.6.3 Market size and forecast, by Control Method
 - 8.3.6.6.4 Market size and forecast, by Application
- 8.4 Asia-Pacific
 - 8.4.1 Key trends and opportunities
 - 8.4.2 Asia-Pacific Market size and forecast, by Type
 - 8.4.3 Asia-Pacific Market size and forecast, by Load Type
 - 8.4.4 Asia-Pacific Market size and forecast, by Control Method
 - 8.4.5 Asia-Pacific Market size and forecast, by Application
 - 8.4.6 Asia-Pacific Market size and forecast, by country
 - 8.4.6.1 China
 - 8.4.6.1.1 Market size and forecast, by Type
 - 8.4.6.1.2 Market size and forecast, by Load Type
 - 8.4.6.1.3 Market size and forecast, by Control Method
 - 8.4.6.1.4 Market size and forecast, by Application
 - 8.4.6.2 Japan
 - 8.4.6.2.1 Market size and forecast, by Type
 - 8.4.6.2.2 Market size and forecast, by Load Type
 - 8.4.6.2.3 Market size and forecast, by Control Method
 - 8.4.6.2.4 Market size and forecast, by Application
 - 8.4.6.3 India
 - 8.4.6.3.1 Market size and forecast, by Type
 - 8.4.6.3.2 Market size and forecast, by Load Type

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.4.6.3.3 Market size and forecast, by Control Method
- 8.4.6.3.4 Market size and forecast, by Application
- 8.4.6.4 South Korea
 - 8.4.6.4.1 Market size and forecast, by Type
 - 8.4.6.4.2 Market size and forecast, by Load Type
 - 8.4.6.4.3 Market size and forecast, by Control Method
 - 8.4.6.4.4 Market size and forecast, by Application
- 8.4.6.5 Australia
 - 8.4.6.5.1 Market size and forecast, by Type
 - 8.4.6.5.2 Market size and forecast, by Load Type
 - 8.4.6.5.3 Market size and forecast, by Control Method
 - 8.4.6.5.4 Market size and forecast, by Application
- 8.4.6.6 Rest of Asia-Pacific
 - 8.4.6.6.1 Market size and forecast, by Type
 - 8.4.6.6.2 Market size and forecast, by Load Type
 - 8.4.6.6.3 Market size and forecast, by Control Method
 - 8.4.6.6.4 Market size and forecast, by Application
- 8.5 LAMEA
 - 8.5.1 Key trends and opportunities
 - 8.5.2 LAMEA Market size and forecast, by Type
 - 8.5.3 LAMEA Market size and forecast, by Load Type
 - 8.5.4 LAMEA Market size and forecast, by Control Method
 - 8.5.5 LAMEA Market size and forecast, by Application
 - 8.5.6 LAMEA Market size and forecast, by country
 - 8.5.6.1 Brazil
 - 8.5.6.1.1 Market size and forecast, by Type
 - 8.5.6.1.2 Market size and forecast, by Load Type
 - 8.5.6.1.3 Market size and forecast, by Control Method
 - 8.5.6.1.4 Market size and forecast, by Application
 - 8.5.6.2 Saudi Arabia
 - 8.5.6.2.1 Market size and forecast, by Type
 - 8.5.6.2.2 Market size and forecast, by Load Type
 - 8.5.6.2.3 Market size and forecast, by Control Method
 - 8.5.6.2.4 Market size and forecast, by Application
 - 8.5.6.3 South Africa
 - 8.5.6.3.1 Market size and forecast, by Type
 - 8.5.6.3.2 Market size and forecast, by Load Type
 - 8.5.6.3.3 Market size and forecast, by Control Method
 - 8.5.6.3.4 Market size and forecast, by Application
 - 8.5.6.4 UAE
 - 8.5.6.4.1 Market size and forecast, by Type
 - 8.5.6.4.2 Market size and forecast, by Load Type
 - 8.5.6.4.3 Market size and forecast, by Control Method
 - 8.5.6.4.4 Market size and forecast, by Application
 - 8.5.6.5 Rest of LAMEA
 - 8.5.6.5.1 Market size and forecast, by Type
 - 8.5.6.5.2 Market size and forecast, by Load Type

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

8.5.6.5.3 Market size and forecast, by Control Method

8.5.6.5.4 Market size and forecast, by Application

CHAPTER 9: COMPANY LANDSCAPE

9.1. Introduction

9.2. Top winning strategies

9.3. Product Mapping of Top 10 Player

9.4. Competitive Dashboard

9.5. Competitive Heatmap

9.6. Key developments

CHAPTER 10: COMPANY PROFILES

10.1 Honeywell (US)

10.1.1 Company overview

10.1.2 Company snapshot

10.1.3 Operating business segments

10.1.4 Product portfolio

10.1.5 Business performance

10.1.6 Key strategic moves and developments

10.2 Schneider Electric

10.2.1 Company overview

10.2.2 Company snapshot

10.2.3 Operating business segments

10.2.4 Product portfolio

10.2.5 Business performance

10.2.6 Key strategic moves and developments

10.3 ABB

10.3.1 Company overview

10.3.2 Company snapshot

10.3.3 Operating business segments

10.3.4 Product portfolio

10.3.5 Business performance

10.3.6 Key strategic moves and developments

10.4 Omron Corporation

10.4.1 Company overview

10.4.2 Company snapshot

10.4.3 Operating business segments

10.4.4 Product portfolio

10.4.5 Business performance

10.4.6 Key strategic moves and developments

10.5 Chromalox

10.5.1 Company overview

10.5.2 Company snapshot

10.5.3 Operating business segments

10.5.4 Product portfolio

10.5.5 Business performance

10.5.6 Key strategic moves and developments

10.6 Gefran

10.6.1 Company overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.6.2 Company snapshot
- 10.6.3 Operating business segments
- 10.6.4 Product portfolio
- 10.6.5 Business performance
- 10.6.6 Key strategic moves and developments
- 10.7 JUMO
- 10.7.1 Company overview
- 10.7.2 Company snapshot
- 10.7.3 Operating business segments
- 10.7.4 Product portfolio
- 10.7.5 Business performance
- 10.7.6 Key strategic moves and developments
- 10.8 CD Automation
- 10.8.1 Company overview
- 10.8.2 Company snapshot
- 10.8.3 Operating business segments
- 10.8.4 Product portfolio
- 10.8.5 Business performance
- 10.8.6 Key strategic moves and developments
- 10.9 Control Concepts
- 10.9.1 Company overview
- 10.9.2 Company snapshot
- 10.9.3 Operating business segments
- 10.9.4 Product portfolio
- 10.9.5 Business performance
- 10.9.6 Key strategic moves and developments
- 10.10 West Control Solutions
- 10.10.1 Company overview
- 10.10.2 Company snapshot
- 10.10.3 Operating business segments
- 10.10.4 Product portfolio
- 10.10.5 Business performance
- 10.10.6 Key strategic moves and developments
- 10.11 West Control Solutions
- 10.11.1 Company overview
- 10.11.2 Company snapshot
- 10.11.3 Operating business segments
- 10.11.4 Product portfolio
- 10.11.5 Business performance
- 10.11.6 Key strategic moves and developments

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

SCR Power Controller Market By Type (Three Phase, Single Phase), By Load Type (Resistive, Nonresistive), By Control Method (Phase Angle Control, Integral Cycle Switching), By Application (Chemical, Food and Beverage, Semiconductor, Metals, Oil and Gas, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 291 pages | Allied Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Cloud Access License	\$3456.00
	Business User License	\$5730.00
	Enterprise License	\$9600.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2026-03-08

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com